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U.S. Depar Patent and	rtmen 1 Tra	t of Commerce demark Office	Filing Date Group September 3, 1993 1807							
OTHER DOCU	MENT	S (Including Author,	Title, Date, Perti	nent Pages, Etc.)						
SIF	AA	Englisch, et al., "Chemically Modified Oligonucleotides as Probes and Inhibitors" Angew. Chem. Int. Ed. Eng. 1991, 30, 613.								
SH	AB	Manoharan, et al., "Novel Functionalization of the Sugar Moiety of Nucleic Acids for Multiple Labeling in the Minor Grove" Tetrahedron Letters 1991, 32, 7171.								
511	AC	Goodchild, "Conjugates of Oligonucleotides and Modified Oligonucleotides: A Reviw of Their Synthesis and Properties" <i>Bioconjugate Chemistry</i> 1990 , 1, 165.								
SH	AD	Monoharan, et al., "Chemical Modifications to Improve Uptake and Bioavailability of Antisense Oligonculeotides" Database Embase Elsevier Science Publishers 1992 660, 306 (abstract).								
EXAMINER	Z	How	DATE CONSIDERED	6-6-97						

Sheet 2 of 2 Serial No. Form PTO-1449 Modified Docket No. ISIS-1169 08/117,363 List of Patents and Publications Applicant Cited by Applicant (Use several sheets if necessary) Cook, et al. U.S. Department of Commerce Filing Date Group 1807 September 3, 1993 Patent and Trademark Office U. S. PATENT DOCUMENTS Class Subclass Document Date Name Examiner Initial No. AA AΒ AC AD ΑE AFAG AΗ ΑI ΑJ FOREIGN PATENT DOCUMENTS Translation Document No. Date Country Examiner NO YES Initial 412 ΑK WO 91/14696 11/03/91 PCT/US91/02224 XX ALMA AN AO.

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U. S. PATENT DOCUMENTS													
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FOREIGN PATENT DOCUMENTS													
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